

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A radio transmitter comprising:

a power amplifier;

a variable gain amplifier connected in series with said power amplifier;

a bias voltage apply means for applying circuit configured to apply a bias voltage to said power amplifier;

a gain control means for controlling controller configured to control a gain of said variable gain amplifier;

a bias voltage control means for controlling controller configured to control the bias voltage of said power amplifier; and

compensation means for compensating a gain compensation controller configured to compensate a gain variation of said power amplifier ~~involved in controlling the bias voltage of said power amplifier~~ by inputting a control signal decided from the gain variation of said power amplifier to said variable gain amplifier for controlling the gain of said variable gain amplifier.

Claim 2 (Currently Amended): The radio transmitter according to claim 1, wherein said bias voltage ~~control means~~ controller controls the bias voltage of said power amplifier in response to desired output power of said power amplifier.

Claim 3 (Currently Amended): The radio transmitter according to claim 2, wherein said gain compensation controller ~~means~~ comprises information about relationships between the desired output power of said power amplifier and the bias voltage of said power amplifier,

and information about relationships between the bias voltage of said power amplifier and the gain of said variable gain amplifier.

Claim 4 (Original): The radio transmitter according to claim 2, wherein the bias voltage of said power amplifier is varied at least at two steps.

Claim 5 (Original): The radio transmitter according to claim 3, wherein the bias voltage of said power amplifier is varied at least at two steps.

Claim 6 (Currently Amended): The radio transmitter according to claim 1, wherein said gain compensation controller ~~means~~ compensates for the gain variation of said power amplifier involved in controlling the bias voltage of said power amplifier, by deriving idle current of said power amplifier from desired output power of said power amplifier, by deriving the bias voltage of said power amplifier and the gain of said variable gain amplifier from the idle current of said power amplifier, and by supplying said bias voltage ~~control~~ means controller and said gain ~~control means~~ controller with the bias voltage and gain derived.

Claim 7 (Currently Amended): The radio transmitter according to claim 6, wherein said gain compensation controller ~~means~~ comprises information about relationships between the desired output power of said power amplifier and the idle current of said power amplifier, information about relationships between the idle current of said power amplifier and the gain of said variable gain amplifier, and information about relationships between the idle current of said power amplifier and the bias voltage of said power amplifier.

Claim 8 (Original): The radio transmitter according to claim 6, wherein the bias voltage of said power amplifier is varied at least at two steps.

Claim 9 (Original): The radio transmitter according to claim 7, wherein the bias voltage of said power amplifier is varied at least at two steps.